



Esso Domestic Oil/Regular Kerosene

Marketing Technical Bulletin

Product

Esso Domestic Oil or
Esso Regular Kerosene

Appearance

} Clear liquid,
Straw yellow in colour.

Specification

} BS 2869: 1998 Class C2 and amendments

This product contains chemical markers, including Euromarker, added in accordance with relevant national Customs & Excise requirements.

Application

Small, domestic central heating/cooking units employing vaporising or pressure jet burners. Also used as an industrial solvent and for industrial/commercial processes where a low sulphur fuel is required.

Not recommended for use in unflued appliances or for CO₂ enrichment of glasshouse atmospheres. **DO NOT USE AS A FUEL FOR AVIATION PURPOSES**

Quality Data

Parameter (BS-Methods)	Units	BS or HM Customs & Excise Limit		Esso Typical
		Min	Max	
Appearance	Visual	Clear & Bright		Clear & Bright
Density @ 15°C	kg/m ³	-	-	799
Viscosity @ 40°C	mm ² /s	1.00	2.00	1.21
Distillation				
Recovered @ 200°C	% V/V	15	-	52
Recovered @ 210°C	% V/V	-	90	65
Recovered @ 240°C	% V/V	50	-	91
Final Boiling Point	°C	-	300	257
Flash point	°C	38.0	-	41.4
Sulphur content	%(m/m)	-	0.1	0.1
Copper strip corrosion	rating	Class 1		Class 1
Smoke point	mm	19	-	23
Char value	mg/kg	-	20	8

Additional Technical Information

Specific Energy	Gross	46.56	MJ/kg
	Net	43.61	MJ/kg
Mean Specific Heat Capacity (between 0°C and 100°C)		2.077	KJ/kg °C
Volume Correction Factor		0.0009	Per °C
Freezing Point		-48	°C

Useful Conversions

Multiply this	By this	To obtain this
MJ/kg	429.923	Btu/lb
MJ/kg	Density	MJ/Litre
Kg/l	1000	Kg/m ³

Divide this	By this	To obtain this
MJ/litre	105.506	Therms/litre

Specific Energy calculated using BS2869

'Typicals' are expected qualities based on recent historical data and should therefore not be considered a guarantee of quality

For Health & Safety information refer to the most current version of the product MSDS